Test Name	Video Sequences	Frame rate (fps)	Target rate (R kbps)	TMN8 (kbps)	The Invention (kbps)
fmn48	"foreman"	10	48	48.19	48.04
fmn64	"foreman"	10	64	63.76	64.06
fmn112	"foreman"	10	112	109.9	112.11
mad24	"m & d"	10	24	24.16	24.0
mad48	"m & d"	10	48	48.24	48.04
news48	"news"	10	48	48.32	48.03
sil48	"silent"	10	48	48.01	48.05
sil64	"silent"	10	64	63.59	64.04
sale64	"salesman"	10	64	62.75	64.05

TABLE 1

Test Name	Total Frames	TMN8 # Frames Skipped	The Invention # Frames Skipped	TMN8 PSNR(dB)	The Invention PSNR(dB)	Gain in PSNR(dB)
fmn48	100	0	0	28.52	28.91	+0.39
fmn64	100	0	0	29.82	30.28	+0.46
fmn112	100	0	0	32.41	32.98	+0.57
mad24	100	5	0	31.31	31.66	+0.35
mad48	100	0	0	34.78	35.41	+0.63
news48	100	0	0	31.96	32.66	+0.70
sil48	100	0	0	31.25	32.61	+1.36
sil64	100	0	0	32.83	34.39	+1.56
sale64	100	0	0	34.90	36.10	+1.20

TABLE 2

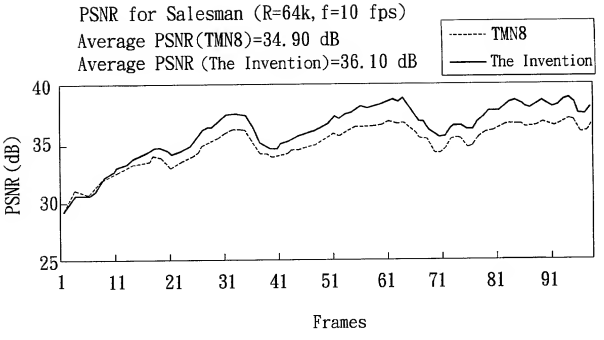
PSNR for Salesman (R=64k, f=10 fps)
Average PSNR(TMN8)=34.90 dB
Average PSNR (The Invention)=36.10 dB
TMN8
The Invention
PSNR (dB)
40
35
30
25
1
11
21
31
41
51
61
71
81
91
Frames

FIG. 1(a)

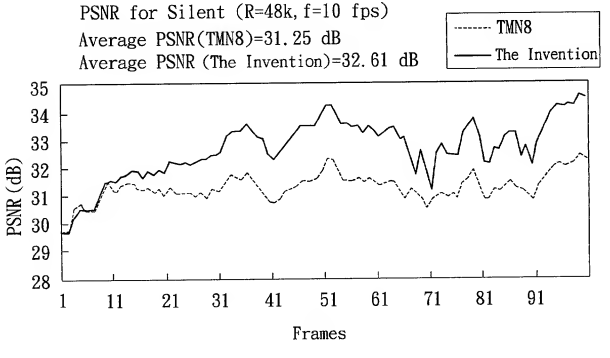
PSNR for Silent (R=48k, f=10 fps)
Average PSNR(TMN8)=31.25 dB
Average PSNR (The Invention)=32.61 dB
TMN8
The Invention
PSNR (dB)
35
34
33
32
31
30
29
28
1
11
21
31
41
51
61
71
81
91
Frames

FIG. 1(b)

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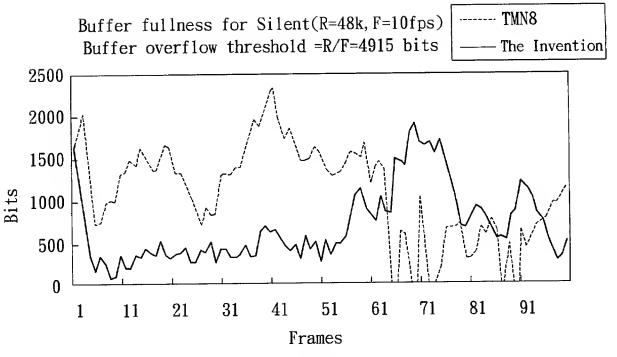

FIG. 2(a)

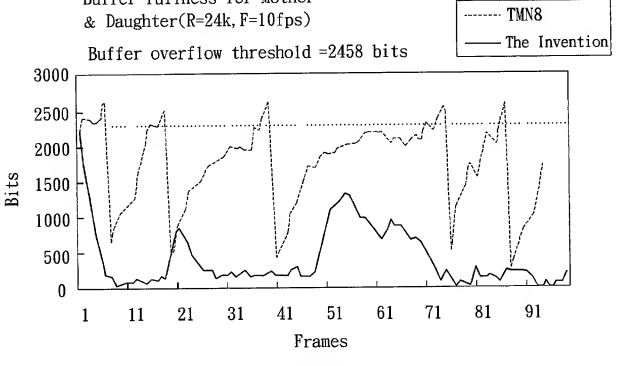

FIG. 2(b)

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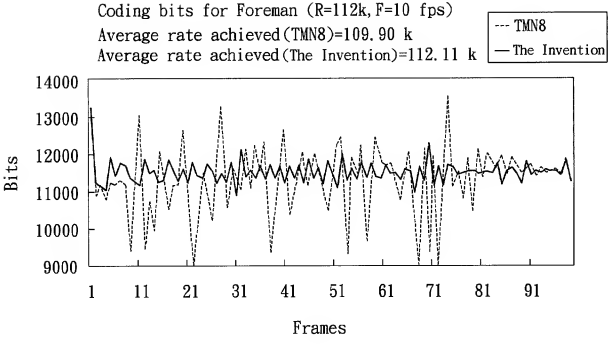

FIG. 3(a)

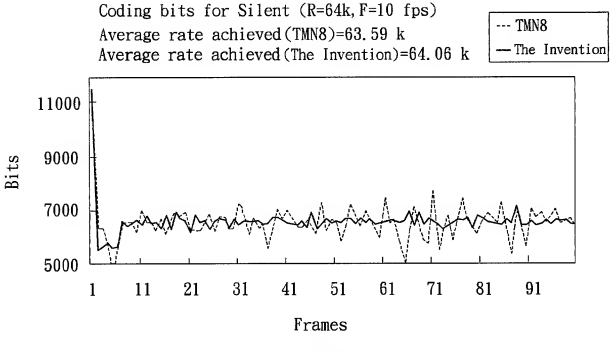

FIG. 3(b)